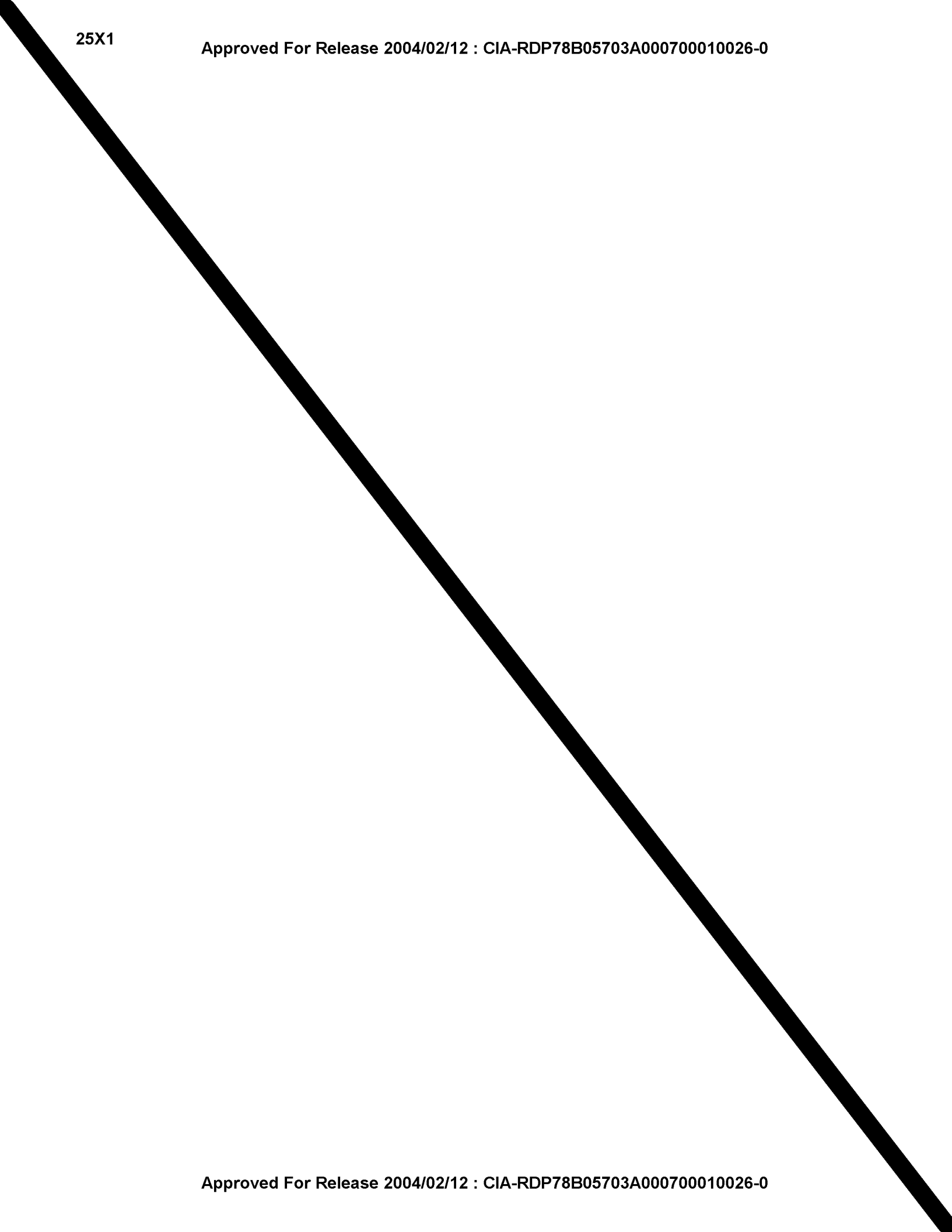

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[redacted] 25X1

16 October 1970

Copy 1

MEMORANDUM FOR THE RECORD

SUBJECT: NRO Planning Session on Project [redacted] 25X1

1. On 15 October 1970, a meeting was held at NRO between representatives of the various organizations involved (see attachment #1) for the purpose of making plans for the conduct of Project [redacted] 25X1
25X1 [redacted] (see attachment #2 for the agenda). [redacted] 25X1
the project manager and [redacted] the assistant project 25X1
manager chaired the meeting. The following summarizes the pertinent topics of the meeting.

2. Security - Matters concerning the project will be classified TOP SECRET or SECRET with no code word designation except [redacted] 25X1
which is unclassified. Imagery produced by the project will be classi-
25X1 fied SECRET [redacted] Security officer for OSA is [redacted] 25X1
25X1 [redacted]

[redacted] 25X1

The plan is for 15 operational flights over a 45-day period. Times and frequency of flights will be staggered in order to avoid a pattern. Most flights will be at night or during overcast periods during the day when photography cannot be obtained.

25X1





[redacted]

5. Overall Responsibility - [redacted] Division in NRO has overall responsibility. [redacted] is responsible for the SLR instrument, [redacted] for the airframe, and NPIC for the exploitation of the product. 25X1 25X1 25X1

6. Operational Missions - Operational missions will be flown out [redacted] beginning about 1 April 1971. Each flight is capable of covering 2,500 lineal miles with a five mile swath width at a radar ground resolution of 10'X10'. Since the estimated exploitation time will be two-to-three days per mission and information gathered from one mission will be used to plan the subsequent mission, missions will not be flown at intervals of less than three days. As much imagery as possible will be obtained with each mission in the event that the flights might be discontinued by Cuban interference or for other reasons. Radar is an active emitter and may be objectionable to the Cubans. 25X1

About 250' of imagery can be produced by each mission. Correlation of the Doppler history will be done by [redacted] It is estimated that the bulk correlation of a mission will require two days. [redacted] will provide correlation quality control by sampling [redacted] correlation for each mission. Both [redacted] voiced a desire to be able to experiment with the correlation without being hampered by time constraints. The undersigned advised the Group that since these would be operational missions which requires that certain phases of exploitation and reporting be accomplished within assigned time periods, some kind of waiver should be obtained in order that the project can be treated more as an experiment than as an operation with respect to time. On 16 October, the undersigned posed this question to [redacted] who agreed that the project should be treated primarily as an experiment, but that any substantive intelligence information obtained should be reported in accordance with existing procedures. This information was passed to NRO through [redacted] 25X1 25X1 25X1 25X1 25X1 25X1 25X1

It was agreed that we should have at least one PI who is familiar with the target areas at the [redacted] bulk correlator during periods of correlation. This is to ensure optimum correlation for each target. There will be some experimentation in adjusting the gain setting in the correlator to obtain the best imagery. In preparation for this, at least two PIs should be trained in the technical aspects of correlation. Additional OJT can be obtained during the [redacted] testing phases. 25X1 25X1

on-the-job-training

In addition, there will be some experimentation with changing the gain setting in the SLR instrument and comparisons will be made to try to determine where gain control can be manipulated best--in the SLR or in the correlator.

25X1

25X1 [redacted] will have an INS system which will record the INS data digitally on the Doppler history film. This will then be translated and titled in alpha numerics on the final imagery film. The INS will be correlatable with the imagery in terms of time marks. Latitude and longitude will be recorded down to seconds.

In addition to varying aspect angles, certain targets will be acquired at depression angles of from 30° to 60° in simulation of a satellite system. At least one mission will be flown in north-south flight lines to simulate a satellite near-polar orbit pattern.

25X1 [redacted] stated that the project will not be confined to the collection of strategic intelligence information alone. The value of SLR for mapping and obtaining other information (no specifics given) is also to be determined. Therefore, areas will be covered that do not contain known targets of interest. This may give IEG the opportunity to determine its values for general search.

25X1 [redacted] wants the Cuban operation targetting to be done first
25X1 followed by the [redacted] IEG has already done considerable work on the Cuban targets and should meet the completion time of three weeks as expressed by NRO. The undersigned noted that there was one DIA analyst present, but none from CIA and advised that CIA analysts should be added to the project. This was later agreed upon informally and will be included in Mr. Lundahl's letter acknowledging [redacted] 25X1
letter of 13 October 1970. [redacted] coordinator for IEG's support 25X1
25X1 of [redacted] plans to meet with OSR in the next few days to discuss the matter and make plans. Plans for mapping will be made by TOPOCOM for inclusion in the overall flight planning. NPIC will probably have 25X1
no part in this.

[redacted]

25X1

[redacted] 25X1 25X1



[redacted]

8. Interpretation - It is tentatively planned to have five exploitation teams. Each team will be composed of one PI from NPIC, one intelligence analyst from DIA or CIA and one radar interpretation specialist from either of the three contractors, [redacted] 25X1
25X1 [redacted]

25X1 [redacted] wants the SLR imagery exploited in two ways, (1) without the use of collateral photography, and (2) with collateral photography. In both cases, collateral other than photography can be used.

Rear projection viewers are considered best for radar viewing, especially with the team concept. NPIC has only one such viewer. [redacted] 25X1
25X1 [redacted] has the task of obtaining the rest, including one extra for
25X1 backup. [redacted] will use his good offices if help is needed from the DOD community to loan the machines.

9. Training - Training will be carried out both by [redacted] 25X1
25X1 [redacted] in order to update and refresh the PI's and analysts in radar interpretation. [redacted] 25X1
25X1 [redacted]

Training in imagery correlation will be conducted by [redacted] for 25X1 perhaps two NPIC PIs and one photo analyst from APSD.

Training for IEG personnel will be coordinated by [redacted] 25X1

25X1 10. Planning - [redacted] will organize a planning group which will meet on 27 October. By that time, [redacted] will have examples 25X1 of target lists, etc. for the Cuban coverage. The group will be composed of representatives from NPIC, DIA, CIA, [redacted] 25X1
25X1 [redacted] The meeting will be held at NPIC. It is planned to cover targets from up to three aspect angles, the best plus two others, and from two depression angles. 25X1

11. Action to be Taken

25X1 a. [redacted] to start survey for space requirements and availability for interpretation evaluation group (5-6 teams of three persons each).

25X1 b. [redacted] to obtain information on the SLR system that is required early, such as the nature of the data block, the INS system, correlation between imagery and INS, titling, imagery formats, etc.

25X1 [redacted]

25X1 d. [redacted] to determine roles other NPIC components should play, if any.

e. Arrange for proposal and contract with [redacted] 25X1

25X1 f. [redacted] to verbally apprise NPIC groups and other pertinent components of the general nature of [redacted] until facts are established well enough to give briefings. 25X1

12. Considerations

a. NPIC components should determine what part if any they should play in the exercise. Since this is primarily an experiment, it will permit components to make certain determination as to how SLR imagery should be handled as compared to photography. For instance, APSD has provided a tentative list of such considerations (see attachment #3).

25X1 b. [redacted] DIAMC-5 stated that they have some SLR correlation and viewing equipment in which we might have an interest. Perhaps RED would like to visit them and see the equipment.

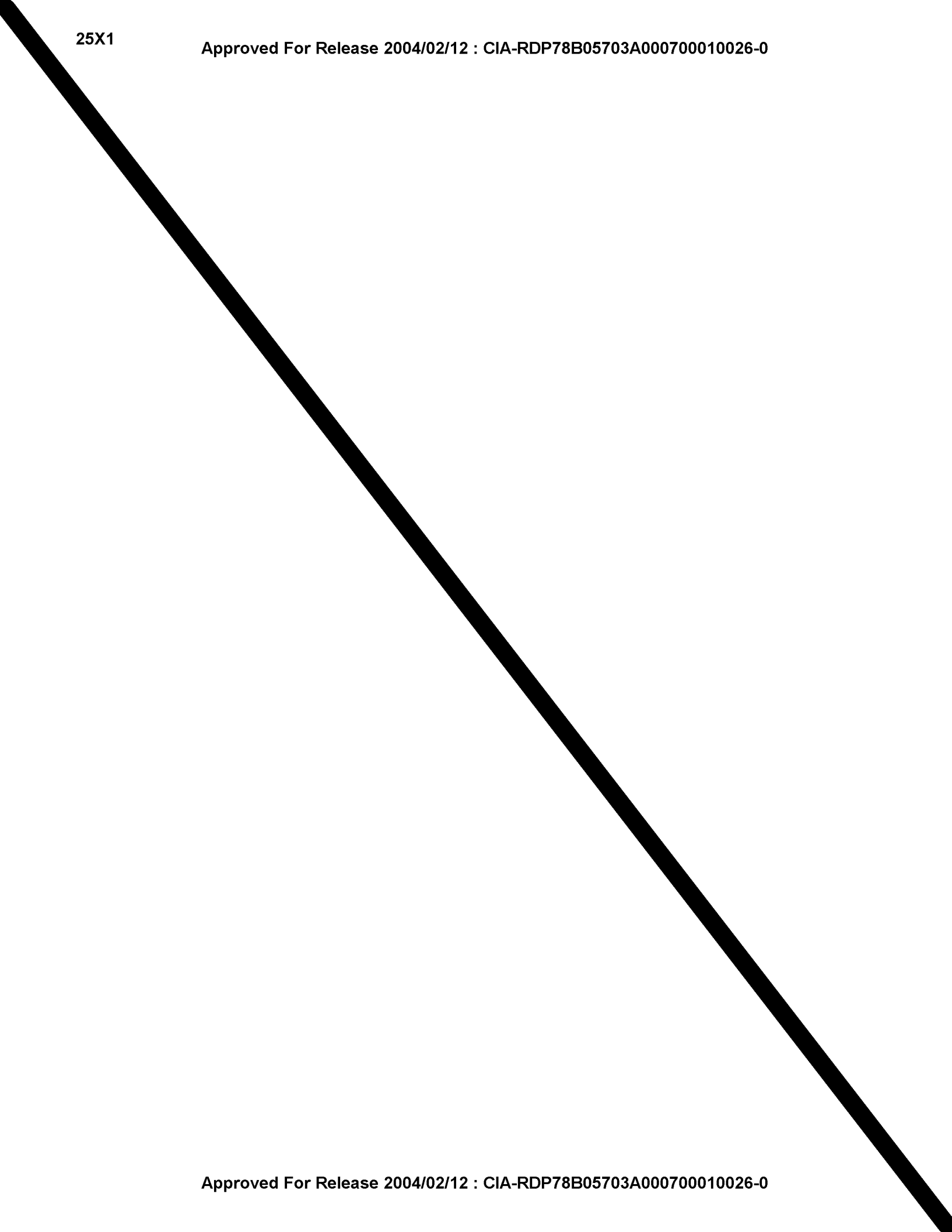
[redacted] 25X1

RSB/RED/TSG

25X1

Attachments:
1. List of Attendees
2. Agenda
3. Speedletter

Distribution:
Cy 1 - O/Dir/NPIC
2 - Ch/PPBS/NPIC
3 - Ch/SS/NPIC
4 - Ch/TSG/NPIC
5 - Ch/RED/TSG/NPIC
6 - Ch/ATB/RED/TSG/NPIC
7 - Ch/APSD/TSG/NPIC
8 - Ch/IEG/NPIC
9 - Ch/OD/IEG/NPIC
10 - Ch/PSG/NPIC
11&12 - Ch/RSB/RED/TSG/NPIC



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25X1

[redacted]

AGENDA - 15 OCT 1970

I. INTRODUCTION

A. Security

B. Purpose

C. Method

D. Overall Responsibility

II. WORKING GROUP RESPONSIBILITIES

A. Formulate Ops Flight Plan

1. Select Targets (incl. mapping)
2. Flight Line Segments
3. Flight Routes and Number
4. Day or Night
5. Frequency
6. Photo
7. How much imagery?
8. Radar & Correlator Adjustments

} 1. Who? 2. When? 3. Where?

B. Formulate Domestic Flight Plan

1. Simulated Operational Targets
2. Simulated Other Targets

} 1. Who? 2. When? 3. Where?

(a) Flight Line Segments
(b) Flight Routes and Number
25X1 (c) [redacted] Radar
(d) [redacted] Photos
(e) Radar & Correlator Adjustments
(f) How much imagery?

C. Interpretation

1. Form Teams

(a) With and Without Photos

SECRET

2. Team Composition

(a) NPIC [redacted] 25X1
(b) DIA Analysts
(c) [redacted] 25X1
(d)
(e) USAF

3. Training

(a) Classroom
25X1 (b) [redacted]
(c) [illegible] Tests

} 1. Who?
2. When?
3. Where?

4. Operational

25X1 (a) [redacted]
(b)
(c) At NPIC
(d) [redacted] 25X1

} 1. Who?
2. When?

D. Operations

1. Ops Decisions - Continue Team

2. Special Mission Equipment

25X1 (a) [redacted]
(b)

3. Data Flow

4. Radar & Correlator Adjustments

E. Evaluation & Reporting

Briefing
Report } Who?

SECRET